

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: BROMMER, Karl D.

Group Art Unit:

Serial No.

Examiner:

Filed: Herein

Atty. Dkt. No: 20020029-US

For: BANDWIDTH-EFFICIENT WIRELESS NETWORK MODEM.

To: Commissioner for Patents  
Attn: PCT Legal  
PO Box 1450  
Alexandria, VA 22313-1450

Fr:

42716

CERTIFICATE OF FACSIMILE 37 CFR 1.8: I hereby certify that this paper is being transmitted by facsimile to the Commissioner for Patents and Trademarks to the attention of PCT Legal at facsimile # 571-273-0459 and telephone # 571-272-3299 on the date shown below.

Date: December 12, 2005

Debra A. Stengel  
[X] Debra A. Stengel [ ] Scott J. Asmus, Reg. #42,269

Commissioner:

**REQUEST FOR CORRECTIONS TO FILING RECEIPT**

We are in receipt of a filing receipt, dated 12/05/2005, for the above referenced patent application. There is an error in the resident city for the inventor and there are errors in the Domestic Priority data.

The inventor residence city changed since the filing of PCT application number PCT/US03/17377 and was noted correctly on the Application Data Sheet and Declaration and Power of Attorney originally filed with this Request for Entry into US National Phase.

The priority data was correct in the original PCT specification and on the Declaration and Power of Attorney originally filed with this Request for Entry into US National Phase.

**RECEIVED**

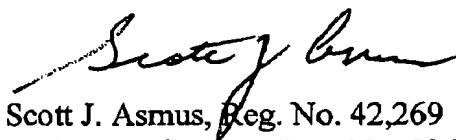
12 DEC 2005

Legal Staff  
International Division

Enclosed herewith is 1 page copy of the original filing receipt with the corrections made, 3 pages copy of original Application Date Sheet showing correct information and corrections made, 1 page copy of original executed Declaration and Power of Attorney, and 3 pages Supplemental Application Data Sheet.

DEPOSIT ACCOUNT 190130 AUTHORIZATION – The Office is hereby authorized to charge the required fee, and any deficiency or credit any overpayment in the fees to the above deposit account, owned by BAE SYSTEMS Information and Electronic Systems Integration Inc. an authorized signator for which is Kevin M. Perkins, V.P. & Company Counsel, and for whom the undersigned are authorized agents.

Respectfully submitted,



Scott J. Asmus, Reg. No. 42,269  
Andrew P. Cernota, Reg. No. 52,711  
Attorneys/Agents for Applicant

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART.UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/529,019	03/24/2005	3634	1000	20020029-US	19	24	4

CONFIRMATION NO. 8890

42716  
MAINE & ASMUS  
P. O. BOX 3445  
NASHUA, NH 03061

## FILING RECEIPT



\*OC000000017570235\*

Date Mailed: 12/05/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Karl D Brommer, ~~Hampton Falls, NH;~~  
Exeter

Power of Attorney: The patent practitioners associated with Customer Number 42716.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/17377 06/02/2003  
which claims benefit of 60/427,495 11/19/2002

Application PCT/US03/17377 is also a CIP of  
Foreign Applications 10/25,241 which claims benefit  
of 60/284,629 04/18/2001

Projected Publication Date: 03/09/2006

Non-Publication Request: No

Early Publication Request: No

## Title

Bandwidth-efficient wireless network modem

Preliminary Class

CLIENT: BAE  
JOB# 20020029-US  
RCVD: 12/08/05  
RSPBY:  
RCVDBY: JAS  
FSUM:  
CAL:  
DKT:  
NOTICE:  
T/S

S-Request

Page 1 of 1

## APPLICATION DATA SHEET

Electronic Version v14

Stylesheet Version v14.1

*Applicant Information:*Inventor 1:

Applicant Authority Type:

Inventor

Citizenship:

US

Given Name:

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E-mail:

*Correspondence Information:*

Customer Number:

42716

\*42716\*

*Application Information:*

Title of Invention: BANDWIDTH-EFFICIENT WIRELESS NETWORK MODEM

Application Type: regular, utility

Attorney Docket Number: 20020029-US

Botanic Information:

Publication Information:

Suggested Figure for Publication - 1

IS-Request

Page 2 of 1

Suggested Classification -  
Suggested Technology Center -  
Total Number of Drawing Sheets - 19

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*Representative Information:*

practitioner(s) at Customer Number:

42716

\*42716\*

as my attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

---

*Domestic Priority Information:*

This is a National Stage of WO application number PCT/US2003/017377, filed 2003-06-02, now Pending.

WO application number PCT/US2003/017377, filed 2003-06-02 is a Non-Provisional of US application number 60/427,495, filed 2002-11-19, now Expired.

~~This is a~~ WO application number PCT/US2003/017377, filed 2003-06-02 is a Continuation-in-part of US application number 10/125,241, filed 2002-04-18, now Pending. \*

US application number 10/125,241, filed 2002-04-18 is a Non-Provisional of US application number 60/284,629, filed 2001-04-18, now Expired.

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*Foreign Priority Information:*

---

*Assignee Information:*Assignee 1:

Organization Name:	BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.
Address-1 of Mailing Address:	65 Spit Brook Road
Address-2 of Mailing Address:	
City of Mailing Address:	Nashua
State of Mailing Address:	NH
Postal Code of Mailing Address:	03061

## S-Request

Page 3 of:

Country of Mailing Address: US

**Phone:**

**Fax:**

**E-mail:**

MAR-23-2005 10:02 FROM:BAE SYSTEMS MER15 6038850631


TO:603 886 4796

P.001/001

Atty. Docket: 200020029**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

- My residence, post-office addresses and citizenship are as stated below next to my name.
- I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought by the application for U.S. Letters Patent entitled: **BANDWIDTH-EFFICIENT WIRELESS NETWORK MODEM**, the specification of which is attached hereto and identified by Docket No. 20020029 of BAE SYSTEMS Information and Electronic Systems Integration Inc.
- I hereby state that I have reviewed and understand the contents of the above-identified application specification, including the claims.
- I acknowledge the duty to disclose information that is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, paragraph 1.56(a).
- I hereby claim foreign priority benefits under Title 35, United States Code 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:
- I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below: 60/427,495 filed 11/19/2002 and 60/284,629 filed 04/18/2001
- I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: PCT/US2003/017377 filed 06/02/2003 and 10/125,241 filed 04/18/2002
- I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
- **Power of Attorney:** We hereby appoint the following persons as our attorney, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 42716 - Scott J. Asmus, Reg. No. 42,269; Daniel J. Long, Reg. No. 29,404; and Andrew P. Cernota, Reg. No. 52,711.
- Please direct all telephone calls to Scott J. Asmus or Andrew P. Cernota at (603) 886-6100.
- Please address all correspondence to Maine and Asmus, PO Box 3445, Nashua, NH 03061-3445.

Signature of Inventor:	
Name:	Karl D. Brommer
Date:	3/23/05
Residence:	165 High Street Exeter, NH 03833
Citizenship:	United States
P. O. Address:	Same as Residence

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## SUPPLEMENTAL

Page 1 of 3

## APPLICATION DATA SHEET

Electronic Version v14  
Stylesheet Version v14.1

*Applicant Information:*Inventor 1:

Applicant Authority Type:	Inventor
Citizenship:	US
Given Name:	Karl
Middle Name:	D
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State of Residence:	NH
Country of Residence:	US
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State of Mailing Address:	NH
Postal Code of Mailing Address:	03833
Country of Mailing Address:	US
Phone:	
Fax:	
E-mail:	

*Correspondence Information:*

Customer Number:	42716	*42716*
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*Application Information:*

Title of Invention: BANDWIDTH-EFFICIENT WIRELESS NETWORK MODEM  
Application Type: regular, utility  
Attorney Docket Number: 20020029-US

## Botanic Information:

## Publication Information:

Suggested Figure for Publication - 1.



IS-Request

Suggested Classification -  
Suggested Technology Center -  
Total Number of Drawing Sheets - 19

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*Representative Information:*

practitioner(s) at Customer Number:

42716

\*42716\*

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Postal Code of Mailing	03061

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Page 3 of 3

Address:

Country of Mailing Address: US

Phone:

Fax:

E-mail:

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\*\*\* RX REPORT \*\*\*  
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RECEPTION OK

TX/RX NO	9685
RECIPIENT ADDRESS	603 886 4796
DESTINATION ID	
ST. TIME	12/12 12:40
TIME USE	02'01
PGS.	10
RESULT	OK